

## ABSTRACT

A hydrocarbon containing formation may be treated using an in situ thermal process. Hydrocarbons, H<sub>2</sub>, and/or other formation fluids may be produced from the formation. Heat may be applied to the formation to raise a temperature of a portion of the formation to a pyrolysis temperature. The portion may be allowed or forced to cool after mixture production is ended. Carbon dioxide may be stored within the portion.

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